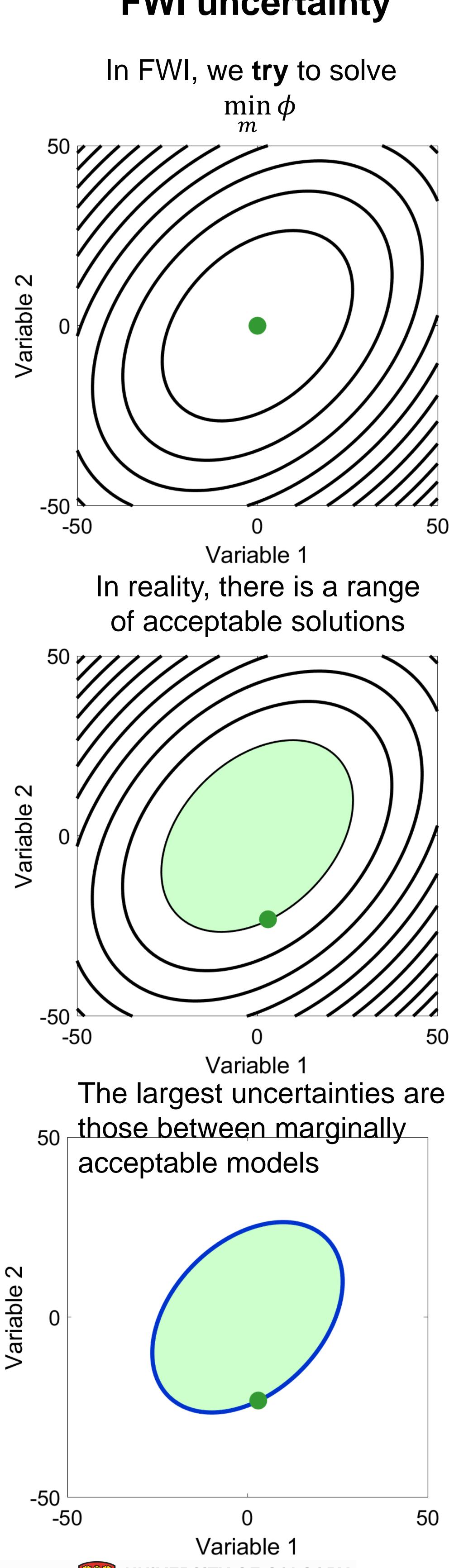


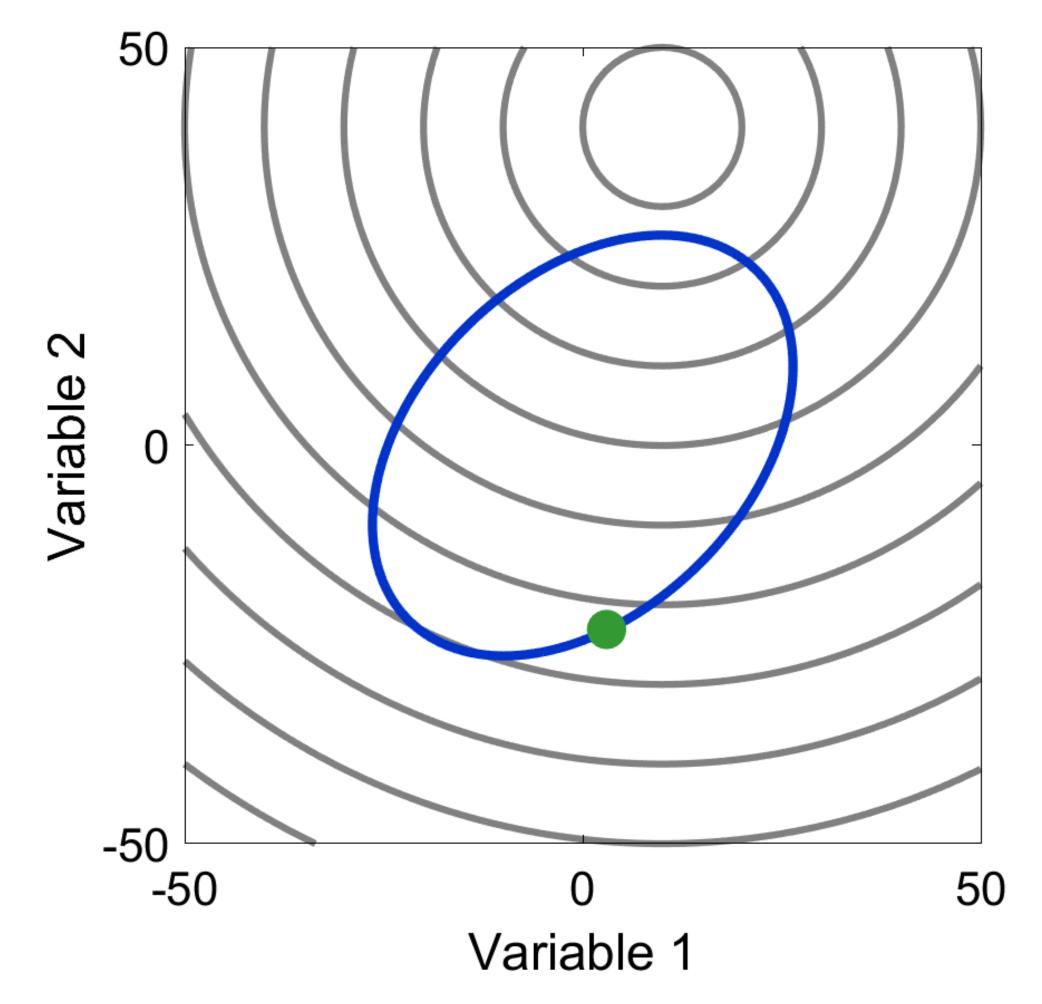
Null-space shuttles for uncertainty quantification in FWI Scott Keating* and Kris Innanen

FWI uncertainty

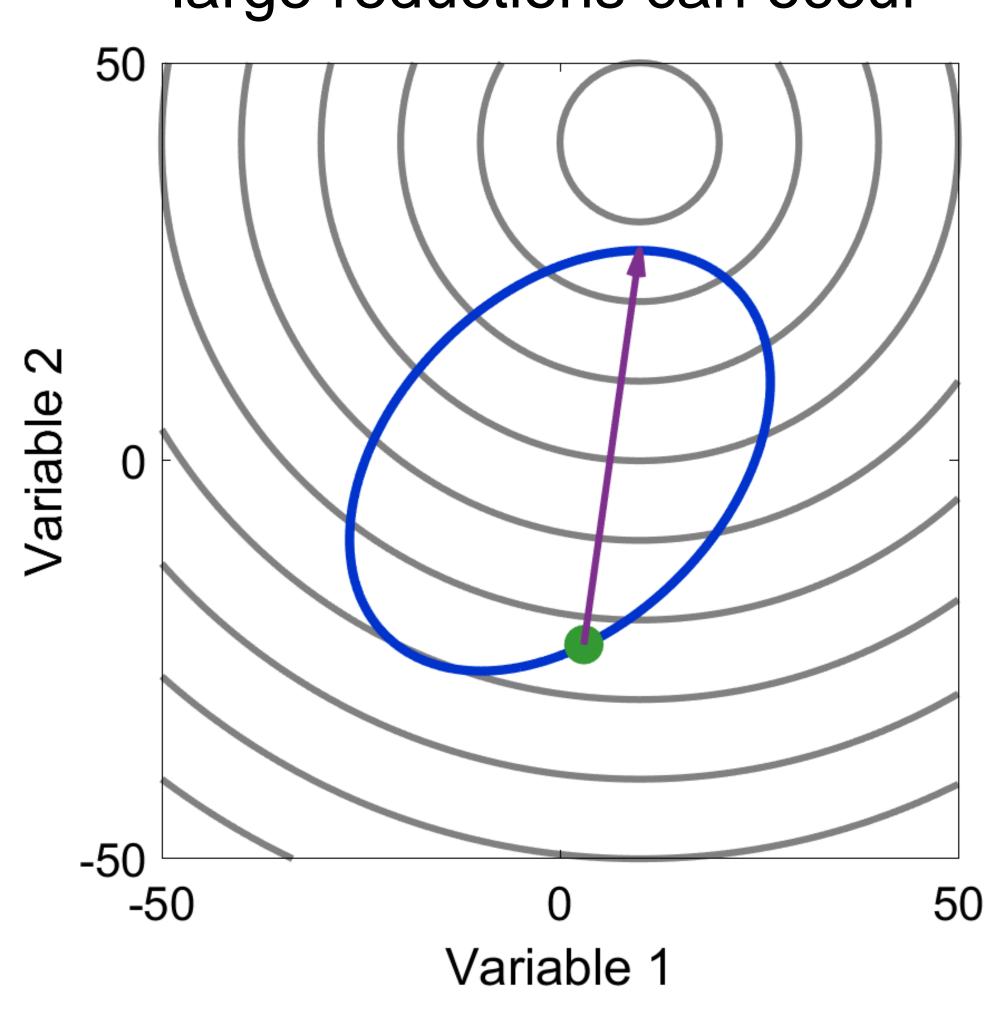


Targeted quantification

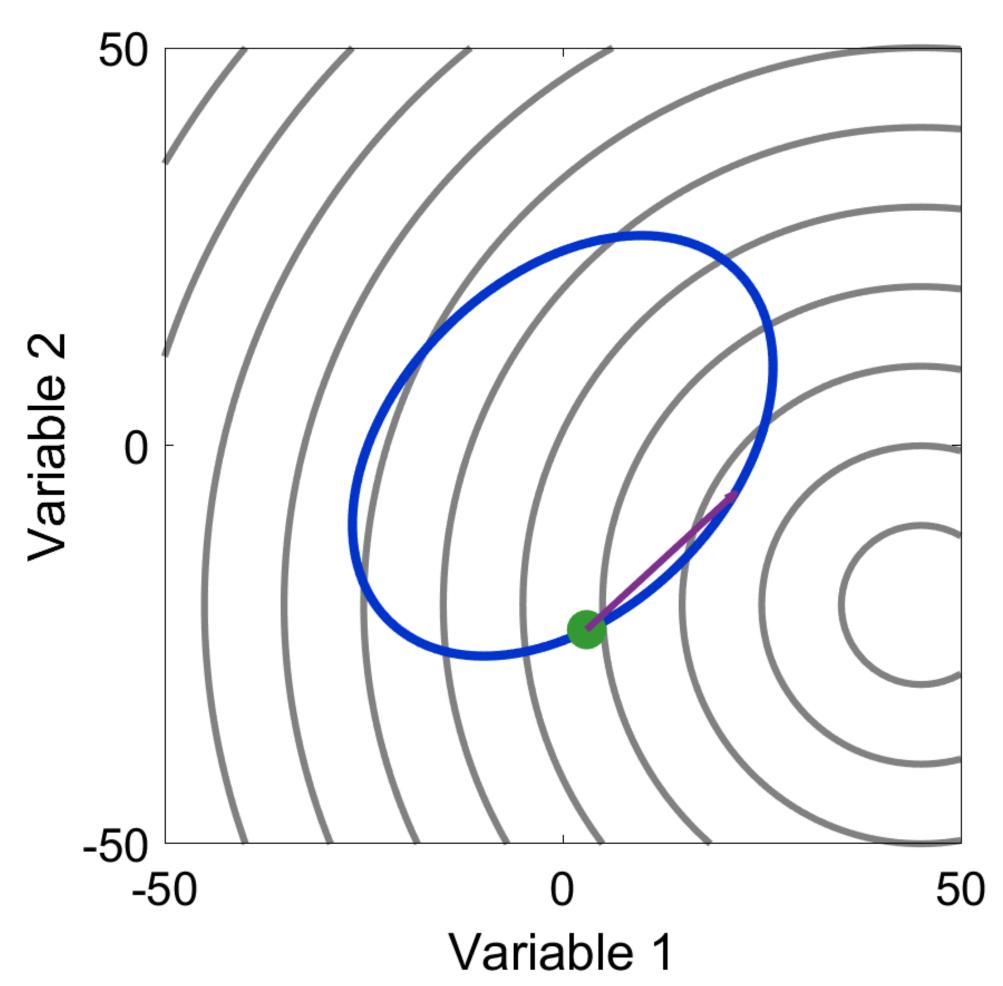




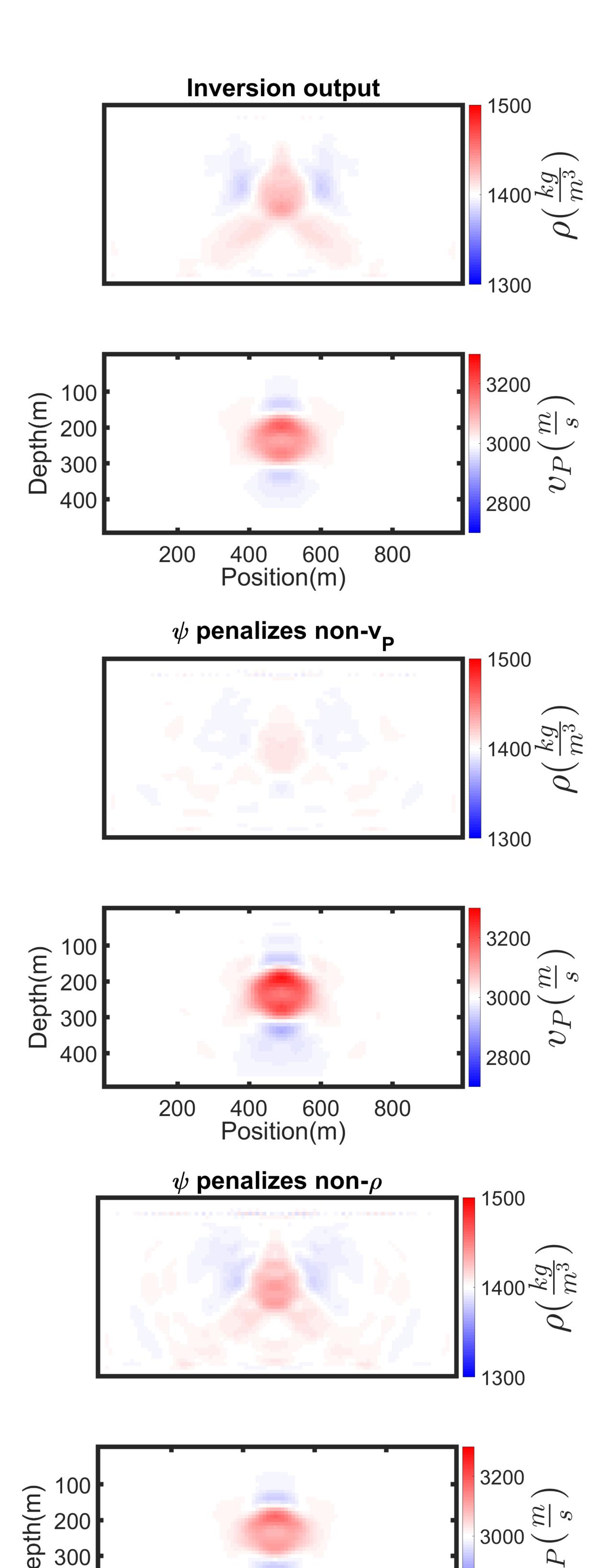
Large uncertainty in ψ means large reductions can occur



Small uncertainty in ψ means only small reductions can occur



Numerical examples



600

400

Position(m)

800

2800

400

200



